

SYNTHES Small Battery Drive



Features

- Ergonomic, lightweight design
- Batteries retain life longer than autoclaved batteries
- Two battery sizes for wider range of indications
- Compatible with a wide variety of attachments
- Fully cannulated to 3.2 mm
- Variable speed trigger with instant reverse and oscillation

Small Battery Drive

Small Battery Drive

The Small Battery Drive is indicated for most orthopaedic trauma applications, including drilling, sawing, inserting K-wires, DHS™, DCS™ and intramedullary reaming. Optimal performance can be achieved by selecting the appropriate battery for the specific application.

Specifications:

- Variable speed: 0–3200 rpm
(max. speed varies by attachment)
- Maximum torque: 0–6.0 Nm
(max. torque varies by attachment)
- Weight, including 12 V battery: 810 gm
- Cannulation: 3.2 mm



532.010



Mode switch turns drive off for safe attachment exchange and selects "on" or "oscillation" mode

Battery Casing
532.002

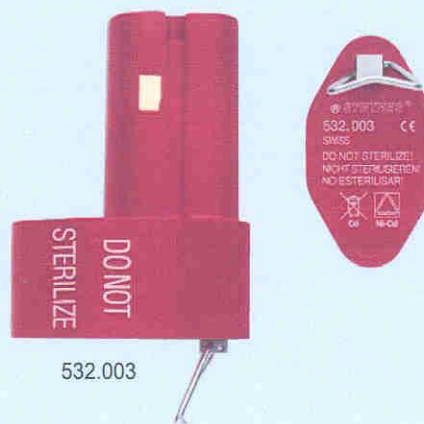
Specifications for batteries:

- Capacity: 0.5 Amp Hours
- Type: NiCd
- Working Temperature: 0°C to 50°C (32°F to 122°F)
- Discharge Protection: prevents total battery discharge, eliminating memory effect, maintaining battery capacity, and increasing battery life.

12 V

12 V Battery [532.003]

- Voltage: 12 VDC
- Charging Time: 30 minutes maximum
- Indications include drilling, sawing, and inserting K-wires.

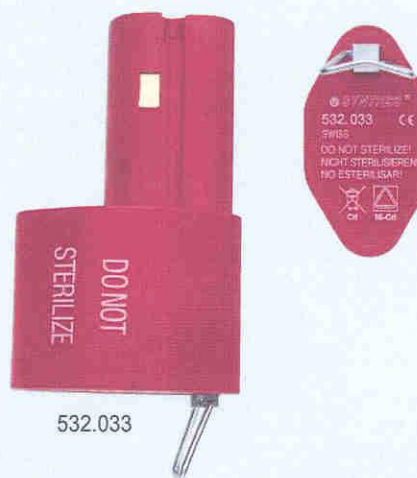


532.003

14.4 V

14.4 V Battery [532.033]

- Voltage: 14.4 VDC
- Charging Time: 40 minutes maximum
- Indications include DHS, DCS, and intramedullary reaming.



532.033

Attachments

12 V

Attachments for Small Battery Drive for use with 12 V battery

Mini Quick Coupling [532.011] Stryker J-latch Coupling [532.012]

- Accept mini quick coupling or Stryker J-latch drill bits



532.011 or 532.012

Quick Coupling for K-Wires [532.022]

- For insertion of K-wires from 0.6 mm to 3.2 mm in diameter
- Permits use of any length K-wire



532.022

Quick Coupling for drill bits [532.013]

- Accepts quick coupling drill bits
- Allows use of Radiolucent Drive [511.30] with adaptor [532.031]
- 1.4 mm cannulation for use with cannulated drill bits



532.013

14.4 V

Attachments for Small Battery Drive for use with 14.4 V battery

Large Quick Coupling [532.015]

- Accepts DHS and DCS Triple Reamers, large quick coupling screwdriver shafts and large quick coupling cannulated drill bits

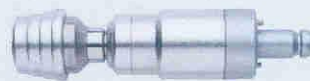


532.015

Reduction Drive Units

- Allow intramedullary reaming with most IM nailing systems
- Internal design prevents reverse rotation to avoid damage to wound shafts

AO Reduction Drive Unit [532.017]



532.017

Hudson Reduction Drive Unit [532.018]



532.018

Attachments

Large Jacobs Chuck with key [532.014]

- Accepts K-wires and Steinmann pins with round shafts from 1.0 mm to 6.0 mm in diameter or triangular shafts up to 6.5 mm



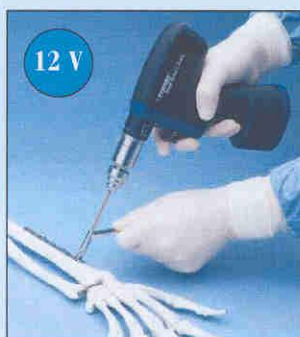
532.014

Oscillating Saw Attachment [532.021]

- Maximum speed: 14,000 oscillations per minute
- Complete line of small saw blades available



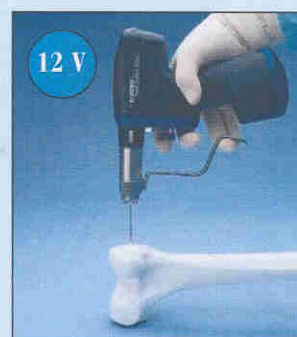
532.021



Drilling



Sawing



K-Wire Insertion

Trinkle Reduction Drive Unit [532.019]



532.019

Modified Trinkle Reduction Drive Unit [532.020]



532.020



Reaming

Batteries and Battery Charger

- Advanced battery technology and non-autoclavable batteries prevent total battery discharge, eliminating memory effect, maintaining battery capacity, and increasing battery life
- One battery charger for all Synthes Power Equipment batteries simplifies charging process
- Intuitive assembly of battery pack

Battery Pack Assembly

- Allows use of non-sterile batteries to increase battery life
- Encloses battery within sterile field

Non-sterile Field

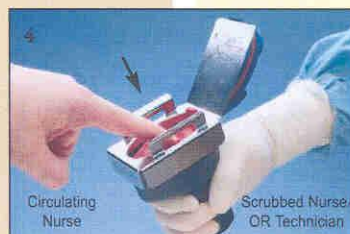
Sterile Field



Sterile person holds the sterilized Battery Casing and opens the lid



Sterile person then places the sterilized Battery Insertion Shield on the battery casing.



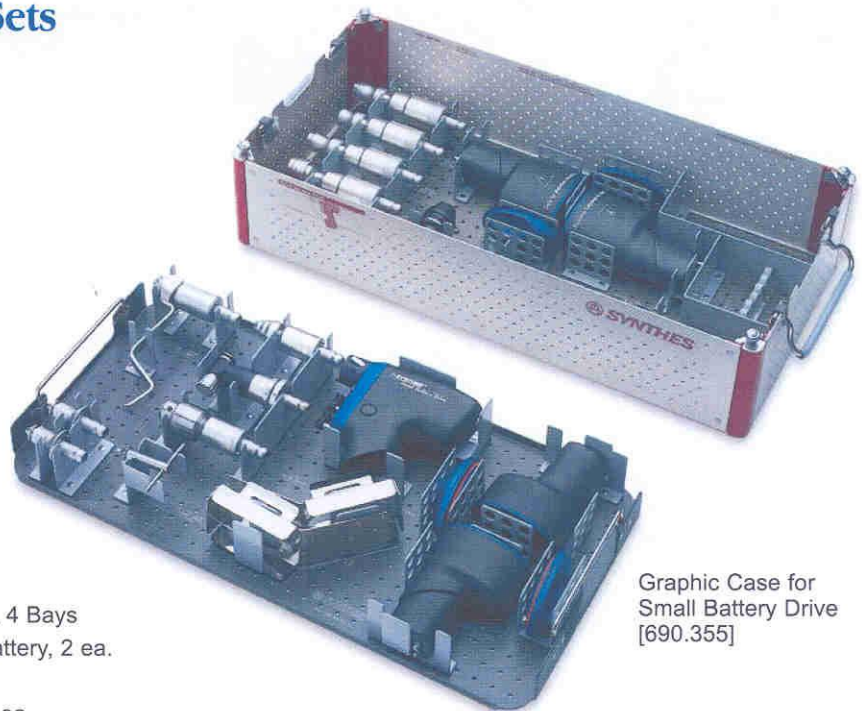
Non-sterile person carefully inserts the non-sterile battery into the sterile battery casing, pressing firmly until it engages.



Non-sterile person removes the Battery Insertion Shield, and sterile person closes and locks the lid.

Set Contents

Small Battery Drive Sets



12 V Small Battery Drive Set [105.955]

- 530.601 Universal Battery Charger, 4 Bays
- 532.002 Battery Casing for 12 V Battery, 2 ea.
- 532.003 12 V Battery, 2 ea.
- 532.004 Battery Insertion Shield, 2 ea.
- 532.010 Small Battery Drive
- 532.011 Mini Quick Coupling
- 532.012 Stryker J-Latch Coupling
- 532.013 Quick Coupling for Drill Bits
- 532.014 Large Jacobs Chuck with Key
- 532.015 Large Quick Coupling
- 532.021 Oscillating Saw Attachment
- 532.022 Quick Coupling for K-Wires
- 532.031 Adaptor for Radiolucent Drive
- 690.355 Graphic Case for Small Battery Drive

Graphic Case for
Small Battery Drive
[690.355]



Universal Battery
Charger, 4 Bays
[530.601]

14.4 V Small Battery Drive Set with 14.4 V Battery Pack Set [105.954]

Set includes Small Battery Drive Set [105.955]
plus the following items:

- 532.017 AO Reduction Drive Unit
- 532.018 Hudson Reduction Drive Unit*
- 532.019 Trinkle Reduction Drive Unit*
- 532.020 Modified Trinkle Reduction Drive Unit*
- 532.032 Battery Casing for 14.4 V Battery, 2 ea.
- 532.033 14.4 V Battery, 2 ea.

Also Available

- 532.016 Small Jacobs Chuck with key
- 511.30 Radiolucent Drive
- 519.40 Cleaning Brush for Compact Air Drive
- 519.97 Autoclavable Oil

*Set includes the AO Reduction Drive Unit and one of the other three Reduction Drive Units
(Hudson [105.954H], Trinkle [105.954T], Modified Trinkle [105.954M]).

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